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Client:
johannesburg Water
JOHANNESBURG WATER
Turbine Hall
69 Empire Street
Marshall Town, Johannesburg

Drawn By: A. Moodley — Date: February 2022 — Signature:
Designed By: G. Kuhnrera — Date: February 2022 — Signature:
Checked By: G. Kuhnrera — Date: February 2022 — Signature:
Engineer: G. Kuhnrera Pr Eng (2011043)

0 5 10 15 20 30 40 50MM
ON ORIGINAL

THESE NOTES SERVE AS AN ADDENDUM TO THE SPECIFICATION WHERE THE BOQ SPECIFICATIONS DIFFER FROM CASES WHERE THESE NOTES SHALL TAKE PREFERENCE

GENERAL NOTES:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND PROJECT SPECIFICATIONS.
2. DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
4. 50mm BLINDING LAYER TO BE PLACED BELOW ALL GROUND LEVEL SLABS UNLESS OTHERWISE INDICATED.
5. ALL EXCAVATIONS TO BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO ANY CONCRETE BEING PLACED.
6. ALL SUBSOIL DRAINAGE TO BE INSTALLED UNDER STRUCTURES TO BE SUBMITTED AND APPROVED BY THE ENGINEER BEFORE CONCRETE WORKS COMMENCE.
7. CONCRETE RESULTS OF INSITU MATERIAL UNDER STRUCTURES TO BE SUBMITTED AND APPROVED BY THE ENGINEER BEFORE CONSTRUCTION COMMENCES.
8. CONTRACTOR TO COMPARE LEVELS AND DIMENSIONS WITH THE ENGINEER BEFORE CONSTRUCTION
9. ALL STEELWORK TO BE HOT DIP GALVANISED UNLESS OTHERWISE INDICATED.
10. POSITIONS AND SIZES OF ALL HOLES, POCKETS, DUCTS, ETC. MUST BE DETERMINED ON SITE BETWEEN THE CIVIL AND MECHANICAL CONTRACTOR.
11. ALL BOLTS, WASHERS, NUTS, ETC. SHALL BE STAINLESS STEEL UNLESS OTHERWISE INDICATED.
12. ALL CONCRETE SHALL BE OF THE FOLLOWING GRADE AND MIN. 30 DAY CUBE
STRENGTH UNLESS OTHERWISE STATED:-
FOUNDATION 40 MPa / 28days
WALLS 40 MPa / 28days
SLABS 40 MPa / 28days
COLUMNS 40 MPa / 28days
FLOORS 40 MPa / 28days
13. CLEAN CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS
FOUNDATIONS 50mm
WALLS 50mm
COLUMNS 50mm
FLOORS 50mm
BEAMS 40 MPa / 28days
14. ALL REINFORCEMENT SHALL COMPLY WITH SABS 920, TYPE C, CLASS 2 GRADE 1.
15. WHERE IT IS NECESSARY TO UTILIZE CONSTRUCTION JOINTS, SUCH JOINTS SHALL BE INSPECTED BY THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
16. UNLESS OTHERWISE STATED THE CONCRETE OF ALL EXPOSED CONCRETE SHALL BE PROVIDED WITH A 25mm x 25mm CHAMFER.
17. THE SURFACE OF ACCURACY SHALL BE IN ACCORDANCE WITH SABS 1200 G LEVEL III.
18. HAND RAMMING MUST NOT BE PERMITTED.
19. ALL UNPOINTED SURFACES SHALL BE AS FOLLOWS:-
FLOOR INSERTS: STEEL TROWELLED
INSIDE STRUCTURE: STEEL TROWELLED
TOP SURFACES OF FOUNDATIONS WOOD FLOATED
TOP SURFACES OF FOUNDATIONS WOOD FLOATED
OUTSIDE STRUCTURES WOOD FLOATED
20. ALL PREMORK AND FITTINGS THROUGH CONCRETE TO BE MANUFACTURED FROM uPVC WITH A MINIMUM OF 350mm LENGTH BETWEEN WALL AND SOCKET, UNLESS OTHERWISE INDICATED.
21. ALL CONCRETE SHALL BE MADE WITH ORDINARY PORTLAND CEMENT WITH A FLY ASH CEMENT OR SIMILAR APPROVED CEMENT EXTENDER.
22. WATER/CEMENT RATIO NOT TO EXCEED 0.5:1
23. THE CEMENT CONTENT : 325 kg/m³ -450kg/m³

24. NO OPEN FIRES ARE PERMITTED. ALL SHUTTERS TO BE SUPPORTED USING AN APPROVED EMBEDDED BOLT SYSTEM.
25. CONCRETE CUBE TESTS TO BE TAKEN AND RESULTS TO BE SUBMITTED TO ENGINEER FOR PERUSAL. RECORDS AND QUALITY MONITORING.
26. CONCRETE SHALL BE PLACED IN ONE CONTINUOUS POUR.
27. ALL LATANCE TO BE REMOVED FROM CONSTRUCTION JOINTS AND CLEANED THOROUGHLY.

Refer To Drawing No:

Key Plan:

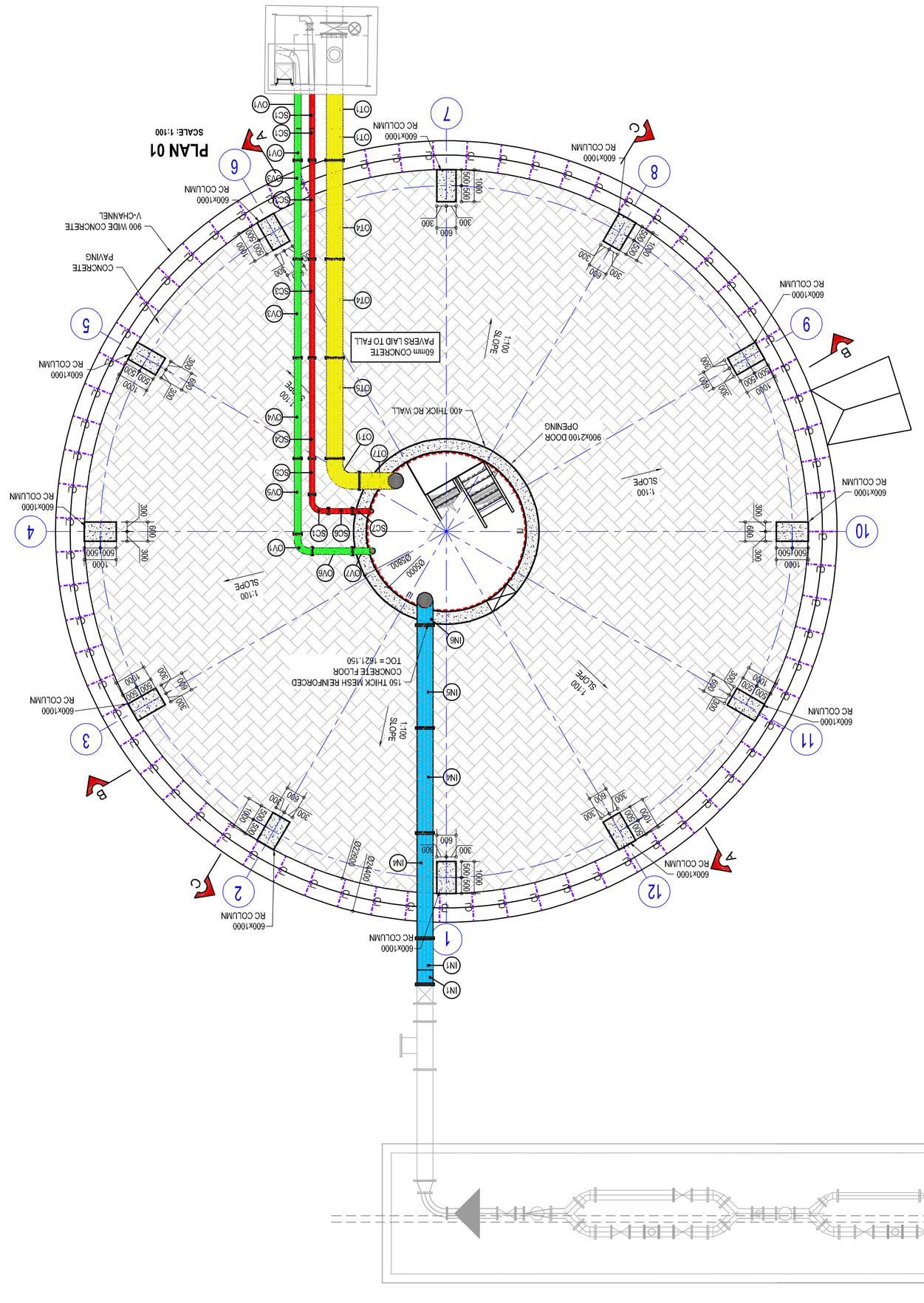
No	Date	Details	Chd	Appd
01	2022.09.14	ISSUED FOR TENDER		

Revisions

Project No: JW14406 - LIBRO PARK
TOWER (WITH ASSOCIATED WORKS)

Description: 3.0ML WATER TOWER:
LAYOUTS AND SECTION (3 OF 9)

Issued For: TENDER

Size: A1 | Scale: As Shown | Sheet No: 3 OF 9 | Original Date: February 2022

Project No: C01486 | Drawing No: SC-03 | Revision: 01